

AGILENT TECHNOLOGIES, INC.  
Legal Department, DL429  
Intellectual Property Administration  
P. O. Box 7599  
Loveland, Colorado 80537-0599

## PATENT APPLICATION

ATTORNEY DOCKET NO. 10003980-1

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Christopher L. Coleman et al

Serial No.: 09/739531

Examiner: Kao, Chih Cheng G.

Filing Date: Dec 15, 2000

Group Art Unit: 2882

Title: Diffractive Optical Element For Providing Favorable Multi-Mode Fiber Launch And Reflection Management

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APR 18 2003

COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

TECHNOLOGY CENTER 2800

## TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- (X) Response/Amendment ( ) Petition to extend time to respond  
( ) New fee as calculated below ( ) Supplemental Declaration  
(X) No additional fee (Address envelope to "Box Non-Fee Amendments")  
( ) Other: \_\_\_\_\_ (fee \$ \_\_\_\_\_)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	6	MINUS	20	= 0	X \$18	\$ 0
INDEP. CLAIMS	2	MINUS	3	= 0	X \$84	\$ 0
[ ] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$280	\$ 0
EXTENSION FEE	1ST MONTH \$110.00	2ND MONTH \$410.00	3RD MONTH \$930.00	4TH MONTH \$1450.00		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 50-1078. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 50-1078 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 50-1078 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Christopher L. Coleman et al

By Pamela Lau Kee

Pamela Lau Kee

Attorney/Agent for Applicant(s)  
Reg. No. 36,184

Date: April 18, 2003

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Date of Facsimile: April 18, 2003

Typed Name: Katherine Lopez-Diagnos n

Signature: Katherine Lopez-Diagnos n

Telephone No.: (408) 553-3059

Attorney Docket # - 10003980-1

<input type="checkbox"/> I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231. Date of Deposit: Typed Name: Signature: _____	<input checked="" type="checkbox"/> I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office on the date below: Date of Facsimile: <u>April 18, 2003</u> Typed Name: <u>Katherine Lopez Dianson</u> Signature: <u>Katherine Lopez Dianson</u>
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****Inventor(s): Christopher L. Coleman****Examiner: Kao, Chih Cheng G.****Serial No.: 09/739,531****Group Art: 2882****Filing Date: 12/15/2000****Title: Diffractive Optical Element For Providing Favorable Multi-Mode Fiber Launch And Reflection Management****Amendment****FAX RECEIVED**

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**Dear Sir:****TECHNOLOGY CENTER 2800**

In an Office Action dated 25 March 2003 having a 30 day shortened statutory period of response, the Examiner has asked the applicants to elect one of the following two groups:

Group I: Claims 1-4, 19, and 20, drawn to a diffractive transfer lens, Class 359, subclass 565

Group II: Claims 5-18, drawn to an optical module with a lens, Class 385, subclass 33

Independent apparatus claims 1 and 9 recite the novel feature of  
**a diffractive surface that is defined by a surface function that includes  
a first phase function having angular symmetry, and  
a second phase function having radial symmetry and a cusp region;  
wherein the cusp region has a discontinuous slope therein.**